

1881, Jan. 6	Satellite.	Phenomenon.	G.M.T. In excess of N.A. Observer.		Remarks.
			h	m s	
19	II.	Ec. R. First seen	9 53	14.2	S. J. P. Definition very bad, wind very high. Full brilliancy.
		Full light	58	37.7	" $\frac{4}{5}$ of III.
	I.	Ec. R. First seen	9 32	2.4	" Good passing clouds.
31		Full light	33	59.7	"
	II.	Ec. R. First seen	7 3	29.0	" Very good. Auroral clouds.
		Full light	5	11.3	"
Feb. 8	III.	Ec. R. First seen	6 11	13.0	W. C. Very good.
		Full light	16	32.8	"
	I.	Oc. D. Ext. cont.	6 26	49.5	" Good. Thin clouds passing.
July 20		Bisection	28	42.0	"
		Last seen	30	53.5	"
	I.	Ec. D. Light fading	14 31	22.5	" Very good. Dark screen in eyepiece.
Sept. 14		Last seen	37	45.3	"
	I.	Tr. I. First cont.	9 45	23.2	" Poor. Very unsteady
		Bisection	46	24.8	"
19		Int. cont.	49	41.4	"
	II.	Oc. R. First seen	10 35	54.5	S. J. P. Definition fair.
		Bisection	37	53.3	"
		Last cont.	39	47.9	"

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Satellite.	Phenomenon.	G.M.T. in m s	In excess of N.A.	Observer.	Remarks.
1881, Oct. 8	I. Oc. R. Bisection	8 59 58.3		W. C.	
	Last cont.	9 2 6.8		"	Good. Dancing slightly.
14	I. Tr. I. Ext. cont.	11 19 28.7		"	Good, but unsteady.
	Bisection.	24 6.4		"	
	Int. cont.	27 18.8		"	
15	I. Ec. D. Fading	7 50 32.0		"	} Very good. Definition rather poor.
	Half brilliancy	51 29.0		"	
	Last seen	52 5.5	+ 0 32.5	"	
	I. Oc. R. Bisection	10 42 52.2		"	} Very good. Definition excellent.
	Ext. cont.	45 40.0		"	
16	I. Sh. E. Int. cont.	7 18 16.2		"	} Observation only fair. Shadow very small. Definition poor and unsteady.
	Bisection	19 58.7		"	
	Last cont.	20 53.9		"	
	I. Tr. E. Int. cont.	7 55 21.4		S. J. P.	} Limb unsteady. Definition good.
	Bisection	58 37.7		"	
	Ext. cont.	8 1 37.9		"	
17	II. Ec. D. Fading	16 3 57.2		W. C.	} Very good. Dark screen used.
	Half brilliancy	5 25.7		"	
	Last seen	7 29.0	+ 0 21.0	"	

Satellite.	Phenomenon.	G.M.T. h m s	In excess of N.A.	Observer.	Remarks.
1881, Oct. 29	I. Ec. D. Fading	11 38 44.4		W. C.	
	Half brilliancy	39 5.2		"	Very good. Dark screen used.
	Last seen	40 49.2		"	
	I. Oc. R. First seen	14 12 23.1		"	
	Bisection	13 12.9		"	Very good. Dark screen used.
	Ext. cont.	14 14.7		"	
30	I. Sh. I. Bisection	9 1 35.3		"	Good. Sh. exceedingly small, but black.
	Int. cont.	3 33.8		"	
	I. Tr. I. Ext. cont.	9 16 44.0		"	
	Bisection	18 37.2		"	Very good. Definition excellent.
	Int. cont.	21 3.3		"	
Nov. 20	II. Tr. I. Ext. cont.	9 33 27.6		J. R.	
	Bisection	37 11.2		"	Good.
	Int. cont.	42 3.8		"	
	II. Sh. I. Int. cont.	10 9 20.6		W. C.	
	II. Tr. E. Int. cont.	12 9 36.9		J. R.	Thin clouds over planet at times. Light much diminished, but definition good.
	Bisection	12 37.4		"	
	Ext. cont.	16 42.9		"	
22	II. Ec. R. First seen	7 33 4.7	-0 36.3	S. J. P.	
	Half brilliancy	35 25.0		"	Good. *About $\frac{2}{3}$ of Sat. I.
	Full brilliancy*	36 44.5		"	

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of Jupiter's Satellites.

Satellite.	Phenom enon.	G.M.T. h m s	In excess of N.A.	Observer.	Remarks.
1881, Nov. 22	I.	Tr. I. Ext. cont.	S. J. P.	{	Definition rather poor. Sat. well seen on disk, but not on band.
		Bisection	"		
		Int. cont.	"		
	I.	Sh. I. Bisection	"	{	Shadow not very black. Definition rather poor.
		Full on	"		
			"		
25	III.	Tr. I. First cont.	W. C.	{	Sky hazy, but definition good.
		Bisection	"		
		Int. cont.	"		
29	II.	Oc. D. Ext. cont.	S. J. P.	{	Hazy. Definition poor.
		Bisection	"		
		Int. cont.	"		
	II.	Ec. R. First seen	"	{	Very good observation. Definition very good.
		Half brilliancy	"		
		Full brilliancy	"		
I.	Tr. I. Ext. cont.	"	{	Excellent. Very bright on disk.	
	Bisection	"			
	Int. cont.	"			
I.	Sh. I. First seen	"	{	Sh. very large and black. Very good obser- vation.	
	Bisection	"			
	Full on	"			

Satellite.	Phenomenon.	G.M.T. h m s	In excess of N.A.	Observer.	Remarks.
1881, Nov. 29	I. Tr. E. Bisection	12 51 55.9		S. J. P.	} Sky hazy.
	Ext. cont.	53 49.3		"	
Dec. 1	I. Tr. I. First cont.	5 2 2.9		J. R.	} Definition good.
	Bisection	5 17.4		"	
	Int. cont.	10 24.1		"	
	Sh. I. Bisection	5 35 1.4		S. J. P.	} Definition good. Observation fair. Few thin clouds.
	Full on	37 39.9		"	
I.	Tr. E. Int. cont.	7 10 40.6		"	} Thin clouds passing.
	Bisection	14 17.8		"	
	Ext. cont.	17 6.3		"	
13	III. Oc. R. First seen	7 30 13.6		"	} Definition good. Sky rather misty.
	Bisection	33 32.9		"	
	Ext. cont.	38 1.2		"	
III.	Ec. D. Fading	9 3 52.5		"	} Definition good.
	Half brilliancy	6 59.9		"	
	Last seen	13 5.1	+ 4 1.0	"	
III.	Ec. R. First seen	10 36 8.7	- 7 29.3	"	} Definition good.
	Half brilliancy	40 27.3		"	
	Full light	42 24.5		"	

Satellite.	Phenomenon.	G.M.T. h m s	In excess of N.A.	Observer.	Remarks.
1881, Dec. 13	II. Oc. D. First cont.	11 11 16.5		W. C.	Definition good.
	Bisection	13 47.5		"	
	Last seen	18 12.5		"	
14	I. Oc. D. Ext. cont.	11 17 52.9		J. R.	Definition good.
	Bisection	21 39.6		"	
	Last seen	23 45.4		"	
	I. Ec. R. First seen	14 17 16.6	-0 3.4	"	Definition good. Sky rather misty.
	Full brilliancy	20 45.1		"	
22	II. Tr. I. First cont.	8 1 0.5		"	Very good.
	Bisection	2 51.2		"	
	Int. cont.	4 32.0		"	
I.	Tr. I. First cont.	10 24 6.2		J. R.	Very good.
	Bisection	25 53.9		"	
	Int. cont.	27 32.7		"	